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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/790,691	03/03/2004	David Grant Middleton	07045.0002.00US00	2309
32894	7590 07/06/2006		EXAMINER	
HOWREY LLP			POPOVICS, ROBERT J	
C/O IP DOCKETING DEPARTMENT 2941 FAIRVIEW PARK DR., SUITE 200			ART UNIT	PAPER NUMBER
	FALLS CHURCH, VA 22042			
			DATE MAILED: 07/06/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
Office Action Commence	10/790,691	MIDDLETON, DAVID GRANT				
Office Action Summary	Examiner	Art Unit				
	Robert J. Popovics	1724				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on						
	-· action is non-final.					
· -) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-26</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-26</u> is/are rejected.						
_	_					
) Claim(s) is/are objected to.) Claim(s) are subject to restriction and/or election requirement.					
o) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcti	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11) ☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary					
Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date Notice of Informal Patent Application (PTO-152) Paper No(s)/Mail Date 8/26/04 & 12/5/05. Other:						

U.S. Patent and Trademark Office PTOL-326 (Rev. 7-05) Art Unit: 1724

DETAILED ACTION

Claim Rejections - 35 USC § 102

Claims 1,2,6-8,10-12,16-19,21-26 are rejected under 35 U.S.C. 102(a or b) as

being anticipated by AAPA (Applicant's Admitted Prior Art).

Applicant Admits:

[0003] 2. Description of the Related Art

[0004] Sewerage channels carry a mixture of liquids and solids to treatment plants. During wet weather, some channels receive rain water and consequently their flow levels are raised. To manage increased flow rates, such channels are provided with overflow weirs which allow excess water to leave the sewerage system and enter a watercourse such as a river.

[0005] In order to prevent undesirable solids from leaving the sewerage channel by the overflow weir and entering a watercourse, it is known to provide a screen along the weir. Such a screen allows a flow of water over the weir but screens out solid matter which is maintained in the flow in the sewerage channel.

[0006] A screen in this situation can become blinded, i.e. blocked, by the solid matter in the mixture. Consequently, it is known to provide screens in the form of a horizontal continuous moving band which move past a cleaning device to prevent blinding. During high flow level conditions, the lower surfaces of the screen provide the filtering function while the upper surface is intended to operate above the water level such that it may be cleaned by the brush.

[0007] Such screens are limited in their effectiveness to allow water to flow freely over the weir. In addition, during extreme conditions, the brush may become submerged which leads to ineffective cleaning and the screen becoming rapidly blinded. Consequently, the screen becomes completely ineffective until the extreme conditions have subsided.

[0008] U.S. Pat. No. 4,242,205 to Hirs discloses a continuous belt filter having a horizontal portion and a portion at an upward angle to the horizontal. The top of the angled portion

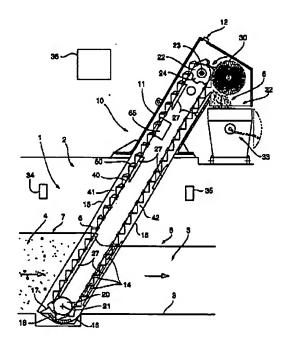
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is positioned such that in normal use it is not submerged in the liquid to be filtered. The non-submerged portion is provided with a water or air jet for cleaning.

Claim Rejections - 35 USC § 103

Claims **3-5** and **13-15** are rejected under 35 U.S.C. 103(a) as being unpatentable over **Larsen** (**US 5,800,701**). Claims **3-5** and **13-15** essentially differ from **AAPA** by specifying a rotary brush or cleaning device. Larsen discloses the use of a rotary brush to clean an endless screen:



In view of this disclosure, it would have been obvious to one of ordinary art to employ a rotary brush in the system described by AAPA, in order to aid in the cleaning of the screen.

Claims 9 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over AAPA (Applicant's Admitted Prior Art). Claims 9 and 20 specify a "box" structure. It is submitted that one of ordinary skill in the art at the time the invention was made would

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have readily appreciated the use of a "box" or other similar fluid flow structure in the prior art system(s) described by AAPA, to facilitate fluid flows.

Any inquiry concerning this communication should be directed to Robert J. Popovics at telephone number (571) 272-1164.

Robert James Popovics Primary Examiner

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